

CLAIMS

- 1 1. A computer controlled method comprising:
 - 2 establishing communication between a situation notification device and a
 - 3 provisioning device over a preferred channel;
 - 4 providing provisioning information to said situation notification device over
 - 5 said preferred channel, whereby said situation notification device is automatically
 - 6 configured to receive subject matter information responsive to said provisioning
 - 7 information;
 - 8 receiving said subject matter information;
 - 9 verifying said subject matter information with said provisioning information;
 - 10 and
 - 11 presenting said subject matter information responsive to the step of verifying.
- 1 2. The computer controlled method of claim 1, wherein the step of providing further
2 comprises:
 - 3 exchanging key commitment information over said preferred channel between
 - 4 said provisioning device and said situation notification device;
 - 5 receiving a public key by said situation notification device;
 - 6 verifying said public key with said key commitment information; and
 - 7 receiving a credential authorized by a credential issuing authority.
- 1 3. The computer controlled method of claim 1, wherein said preferred channel is a
2 location-limited channel.

- 1 4. The computer controlled method of claim 1, wherein said preferred channel uses a
2 telephone switching system.
- 1 5. The computer controlled method of claim 1, wherein said preferred channel has a
2 demonstrative identification property and an authenticity property.
- 1 6. The computer controlled method of claim 1, wherein subject matter information is
2 received using an antenna, a telephone line, a local area network, a wide area
3 network, a wireless network, or a broadcast network.
- 1 7. The computer controlled method of claim 1, wherein said situation notification
2 device is a computer, a television, a radio, a telephone, a push to talk device, a
3 pager, a clock, a thermostat, a network appliance, or a home appliance.
- 1 8. The computer controlled method of claim 1, further comprising forwarding said
2 subject matter information.
- 1 9. The computer controlled method of claim 1, wherein said subject matter
2 information is alarm information.
- 1 10. A computer-readable storage medium storing instructions that when executed by a
2 computer cause the computer to present subject matter information, the method
3 comprising steps of:
- 4 establishing communication between a situation notification device and a
5 provisioning device over a preferred channel;
- 6 providing provisioning information to said situation notification device over
7 said preferred channel, whereby said situation notification device is automatically
8 configured to receive said subject matter information responsive to said
9 provisioning information;
- 10 receiving said subject matter information;

11 verifying said subject matter information with said provisioning information;
12 and

13 presenting said subject matter information responsive to the step of verifying.

1 11. The computer-readable storage medium of claim 10, wherein the step of providing
2 further comprises:

3 exchanging key commitment information over said preferred channel between
4 said provisioning device and said situation notification device;

5 receiving a public key by said situation notification device;

6 verifying said public key with said key commitment information; and

7 receiving a credential authorized by a credential issuing authority.

1 12. The computer-readable storage medium of claim 10, wherein said preferred channel
2 is a location-limited channel.

1 13. The computer-readable storage medium of claim 10, wherein said preferred channel
2 uses a telephone switching system.

1 14. The computer-readable storage medium of claim 10, wherein said preferred channel
2 has a demonstrative identification property and an authenticity property.

1 15. The computer-readable storage medium of claim 10, wherein subject matter
2 information is received using an antenna, a telephone line, a local area network, a
3 wide area network, a wireless network, or a broadcast network.

1 16. The computer-readable storage medium of claim 10, wherein said situation
2 notification device is a computer, a television, a radio, a telephone, a push to talk
3 device, a pager, a clock, a thermostat, a network appliance, or a home appliance.

1 17. The computer-readable storage medium of claim 10, further comprising forwarding
2 said subject matter information.

1 18. The computer-readable storage medium of claim 10, wherein said subject matter
2 information is alarm information.

1 19. An apparatus comprising:

2 at least one port configured to establish a preferred channel;

3 a first communication mechanism configured to receive provisioning
4 information over said preferred channel, whereby the apparatus is configured to be
5 able to receive subject matter information responsive to said provisioning
6 information;

7 a second communication mechanism configured to receive said subject matter
8 information subsequent to operation of the first communication mechanism;

9 a verification mechanism configured to verify said subject matter information
10 with said provisioning information; and

11 a presentation mechanism configured to present said subject matter
12 information responsive to the verification mechanism.

1 20. The apparatus of claim 19, wherein the first communication mechanism further
2 comprises:

3 a key commitment receiver mechanism configured to receive key commitment
4 information through said at least one port;

5 a key receiver mechanism configured to receive a public key;

6 a pre-authentication mechanism configured to verify said public key with said
7 key commitment information; and

8 a credential provisioning mechanism configured to be able to automatically
9 provide a credential authorized by a credential issuing authority responsive to the
10 pre-authentication mechanism.

1 21. The apparatus of claim 19, wherein said preferred channel is a location-limited
2 channel.

1 22. The apparatus of claim 19, wherein said preferred channel uses a telephone
2 switching system.

1 23. The apparatus of claim 19, wherein said preferred channel has a demonstrative
2 identification property and an authenticity property.

1 24. The apparatus of claim 19, wherein subject matter information is received using an
2 antenna, a telephone line, a local area network, a wide area network, a wireless
3 network, or a broadcast network.

1 25. The apparatus of claim 19, wherein the apparatus is within a computer, a television,
2 a radio, a telephone, a push to talk device, a pager, a clock, a thermostat, a network
3 appliance, or a home appliance.

1 26. The apparatus of claim 19, further comprising a forwarding mechanism configured
2 to forward said subject matter information.

1 27. The apparatus of claim 19, wherein said subject matter information is alarm
2 information.